

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-52. (Cancelled)

53. (Currently Amended) A method, comprising:

receiving a host command at a haptic-feedback device, said haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment on a display screen;

determining, with said haptic feedback device, whether the host command includes a filter command having a command parameter, said command parameter including information operated upon by said haptic feedback device to modify said input data to define modified input data to reduce ~~visual disturbances~~ a visual disturbance of the graphical object;

producing said modified input data in response to said filter command being present; and transmitting said modified input data to said graphical environment.

54. (Cancelled)

55. (Currently Amended) A method, comprising:

receiving a host command at a haptic-feedback device, said haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment on a display screen;

determining, with said haptic feedback device, whether said host command includes a filter command having a command parameter, said command parameter including information

operated upon by said haptic feedback device to modify the input data to define the modified input data;

producing said modified input data by time-averaging said input data; and

transmitting the modified input data to the graphical environment to reduce ~~visual disturbances~~ a visual disturbance of the graphical object.

56. (Currently Amended) A method, comprising:

receiving a host command at a haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment shown on a display screen;

determining, with said haptic feedback device, whether the host command includes a filter command having a command parameter, the command parameter including information operated upon by said haptic feedback device to modify the input data to define the modified input data;

producing said modified input data by sampling and holding information corresponding to movement of the haptic-feedback device; and

transmitting the modified input data to the graphical environment to reduce ~~visual disturbances~~ a visual disturbance of the graphical object.

Claims 57-60. (Cancelled)

61. (Currently Amended) A method, comprising:

receiving a host command having a command identifier and a command parameter at a haptic-feedback device;

outputting a haptic-feedback force from the haptic-feedback device based on the host command;

determining, with said haptic feedback device, whether said command parameter includes a filter command selected from a set of filter commands being one of activating a filter routine or disabling the filter routine, with said filter routine being one of having a jolt filter routine, a vibration filter routine or a spatial filter routine;

modifying said input data in response to the command parameter to define the modified input data;

transmitting the modified input data to the graphical environment to reduce ~~visual disturbances~~ a visual disturbance of the graphical object; and

updating the graphical environment based on the filtered sensor data.

Claims 62-68. (Cancelled)

69. (Previously Presented) The method of claim 53, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

70. (Cancelled)

71. (Previously Presented) The method of claim 53, wherein the determining input data is performed by a processor local to the haptic-feedback device.

Claims 72-73. (Cancelled)

74. (Previously Presented) The method of claim 53, wherein the determining further includes sampling the input data over time according to a sampling rate.
75. (Previously Presented) The method of claim 53, wherein the determining further includes time-averaging the input data.
76. (Previously Presented) The method of claim 53, wherein the determining further includes sampling and holding a data value derived from the input data based on a movement of the haptic-feedback device to produce a held data value.
77. (Previously Presented) The method of claim 53, wherein the determining further includes executing a driver on a processor configured to be in the haptic-feedback device.
78. (Previously Presented) The method of claim 53, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.
79. (Previously Presented) The method of claim 55, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.
80. (Cancelled)
81. (Previously Presented) The method of claim 55, wherein the determining of the input data is performed by a processor local to the haptic-feedback device.

Claims 82-83. (Cancelled)

84. (Previously Presented) The method of claim 55, wherein the determining includes executing a driver on a processor in the haptic-feedback device.

85. (Previously Presented) The method of claim 55, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

86. (Previously Presented) The method of claim 56, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

87. (Cancelled)

88. (Previously Presented) The method of claim 56, wherein the determining is performed by a processor local to the haptic-feedback device.

Claims 89-90. (Cancelled)

91. (Previously Presented) The method of claim 56, wherein the determining further includes executing a driver on a processor in the haptic-feedback device.

92. (Previously Presented) The method of claim 56, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

93. (Previously Presented) The method of claim 61, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

94. (Cancelled)

95. (Previously Presented) The method of claim 61, wherein the determining is performed by a processor local to the haptic-feedback device.

Claims 96-97. (Cancelled)

98. (Previously Presented) The method of claim 61, wherein the determining further includes executing a driver on a processor in the haptic-feedback device.

99. (Previously Presented) The method of claim 61, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

Claims 100-101. (Cancelled)